

=> fil reg

FILE 'REGISTRY' ENTERED AT 11:34:59 ON 03 JUN 2005

=> d his

FILE 'HCAPLUS' ENTERED AT 08:55:50 ON 03 JUN 2005

L1 1 S US20050079383/PN
SEL RN

FILE 'REGISTRY' ENTERED AT 08:56:19 ON 03 JUN 2005

L2 14 S E1-E14
L3 1 S 121848-75-7/RN
L4 1 S 68572-87-2/RN

FILE 'LREGISTRY' ENTERED AT 09:42:06 ON 03 JUN 2005

L5 STR 121848-75-7

FILE 'REGISTRY' ENTERED AT 09:50:20 ON 03 JUN 2005

L6 0 S L5
L7 14417 S 2404.11.109/RID
E C14H11BO2
L8 18 S E3
L9 2 S L7 AND L8
L10 34526 S 2508.17.56/RID
E C28H16BR2
L11 21 S E3
L12 3 S L11 AND L10
L13 0 S L9 AND L12
L14 STR L5
L15 5 S L14
L16 STR L14
L17 50 S L16
L18 STR
L19 0 S L18 AND L16
L20 STR
L21 0 S L18 AND L20
L22 SCR 1846
L23 0 S L18 AND L16 AND L22
L24 0 S L18 AND L20 AND L22
L25 1 S L18 AND L16 FUL
SAV L25 YAM120/A

FILE 'HCAPLUS' ENTERED AT 10:58:18 ON 03 JUN 2005

L26 31 S L9
L27 18 S L12
L28 1 S L26 AND L27
L29 16 S L3
L30 31 S L4
L31 1 S L29 AND L30
L32 2 S L25
L33 2 S L28 OR L31 OR L32

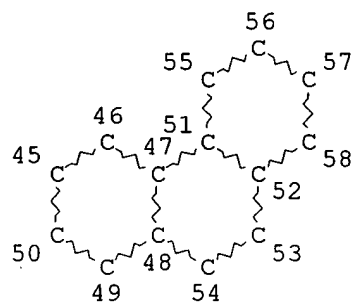
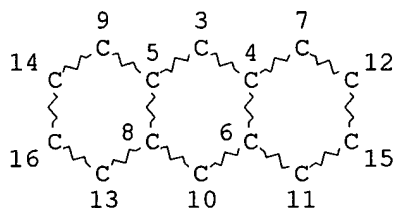
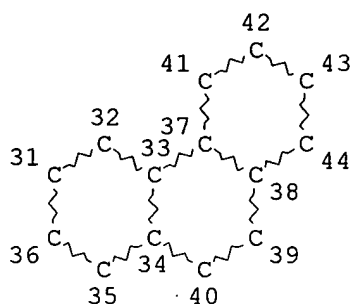
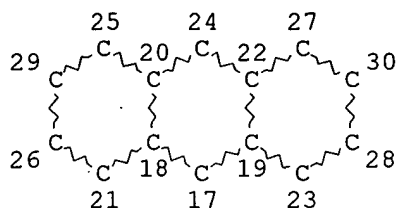
FILE 'REGISTRY' ENTERED AT 11:34:59 ON 03 JUN 2005

=> d que 132

L16 STR

EIC 1700 search

May



NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 56

STEREO ATTRIBUTES: NONE

L18 STR

Cb^ Cb^ Cb^ Cb

1 2 3 4

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS PCY AT 1

GGCAT IS PCY AT 2

GGCAT IS PCY AT 3

GGCAT IS PCY AT 4

DEFAULT ECLEVEL IS LIMITED

ECOUNT IS E14 C AT 1

ECOUNT IS E14 C AT 2

ECOUNT IS E14 C AT 3

ECOUNT IS E14 C AT 4

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 4

STEREO ATTRIBUTES: NONE

L25 1 SEA FILE=REGISTRY SSS FUL L18 AND L16

L32 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L25

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 11:35:22 ON 03 JUN 2005

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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=> d 133 1-2 ibib abs hitstr hitind

L33 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2005:325559 HCAPLUS

DOCUMENT NUMBER: 142:381987

TITLE: Organic light emitting medium containing 9, 9'-bianthry-10,10'-phenanthracene and device containing the medium

INVENTOR(S): Lin, Tung-shen; Huang, Wen-chi

PATENT ASSIGNEE(S): Lightronik Technology Inc., Taiwan

SOURCE: U.S. Pat. Appl. Publ., 8 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2005079383	A1	20050414	US 2003-685120	2003 1014

PRIORITY APPLN. INFO.: US 2003-685120

2003
1014

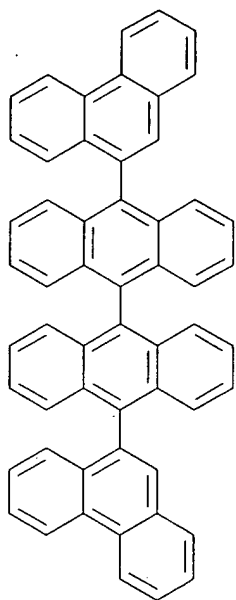
AB A phenylanthracene derivative, 9,9'-bianthry-10,10'-phenanthracene, is used alone in an electroluminescent device and serves as a light emitting medium to emit white light.

IT **333417-85-9P**

(organic light emitting medium containing 9, 9'-bianthry-10,10'-phenanthracene and device containing medium)

RN 333417-85-9 HCAPLUS

CN 9,9'-Bianthracene, 10,10'-di-9-phenanthrenyl- (9CI) (CA INDEX NAME)

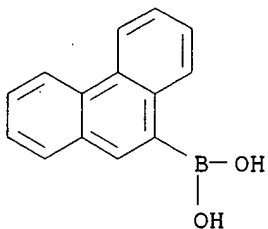


IT 68572-87-2 121848-75-7

(organic light emitting medium containing 9, 9' -bianthryl-10,10'-phenanthracene and device containing medium)

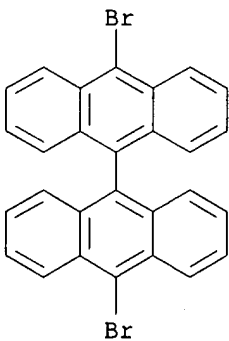
RN 68572-87-2 HCAPLUS

CN Boronic acid, 9-phenanthrenyl- (9CI) (CA INDEX NAME)



RN 121848-75-7 HCAPLUS

CN 9,9'-Bianthracene, 10,10'-dibromo- (9CI) (CA INDEX NAME)



IC ICM H05B033-14
INCL 428690000; 428917000; 428212000; 313504000; 313506000
CC 73-12 (Optical, Electron, and Mass Spectroscopy and Other Related Properties)
Section cross-reference(s): 25, 76
IT **333417-85-9P**
(organic light emitting medium containing 9, 9' -bianthry-10,10' -phenanthracene and device containing medium)
IT 3375-31-3 7789-23-3, Potassium fluoride **68572-87-2**
121848-75-7 224311-51-7
(organic light emitting medium containing 9, 9' -bianthry-10,10' -phenanthracene and device containing medium)

L33 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2005 ACS on STN

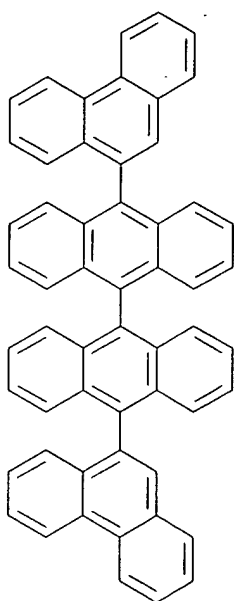
ACCESSION NUMBER: 2001:251795 HCAPLUS
DOCUMENT NUMBER: 134:287946
TITLE: Organic compound for organic electroluminescence member
INVENTOR(S): Ikeda, Shuji; Funabashi, Masakazu; Azuma, Hisahiro; Hosokawa, Chishio
PATENT ASSIGNEE(S): Idemitsu Kosan Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2001097897	A2	20010410	JP 1999-277955	1999 0930
PRIORITY APPLN. INFO.:			JP 1999-277955	1999 0930

OTHER SOURCE(S): MARPAT 134:287946

AB The title organic compound is represented by
[Ar4Ar5C=CH]n(Ar2)m(Ar1)k(Ar3)n[CH=Ar6Ar7]t (Ar1 = C6-30 aromatic divalent group, C4-30 heterocyclyl; Ar2,3 = C6-30 arylene, C4-30 heterocyclyl; Ar4-7 = C6-20 aryl, C4-30 heterocyclyl; k = 1-3; m, n = 1, 2; s, t = 0, 1). An organic light-emitting layer of the organic electroluminescence member may contain a recombination site-forming substance which is selected from styrylamines, quinacridones, rubrenes, and coumarines. The organic electroluminescence member containing the organic compound as a recombination site-forming substance is also claimed. The use of the organic compound described above provided high emission efficiency.

IT **333417-85-9P**
(organic compound for organic electroluminescence member)
RN 333417-85-9 HCAPLUS
CN 9,9'-Bianthracene, 10,10'-di-9-phenanthrenyl- (9CI) (CA INDEX NAME)



IC ICM C07C013-567
ICS C07C013-573; C09K011-06; H05B033-14
CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and
Other Reprographic Processes)
Section cross-reference(s): 24
IT 331749-31-6P 333417-76-8P 333417-78-0P 333417-80-4P
333417-83-7P **333417-85-9P**
(organic compound for organic electroluminescence member)